

ABSTRACT OF THE DISCLOSURE

A method for operating a magnetic logic device (10) is described wherein at least one output variable  $O = F(I_A, I_B)$  is formed from input variables ( $I_A, I_B$ ) by at least one logic operation with an operator function  $F$  of the magnetic logic device (10), whereby the logic device (10) is set at a starting state for executing the operator function  $F$  with a certain operator control signal (SET) before the operation, whereby the operator control signal is selected from a group of control signals with which various non-volatile starting states can be set in a controlled manner, each state being characteristic of a different logic function. Furthermore, a magnetic logic device (10) equipped for implementation of this method is also described.

(Fig. 1)